

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
14960-0012SERIAL NO.
10/665,597

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT
MaurerFILING DATE
September 19, 2003GROUP
1742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
lf	AA	996,929	07/04/1911	Kempinski			
	AB	1,041,149	10/15/1912	Nichols			
	AC	1,064,873	06/17/1913	Thowless			
	AD	1,287,939	12/17/1918	Fireman			
	AE	1,309,375	07/08/1919	Taylor			
	AF	1,536,188	05/05/1925	Brown			
	AG	1,672,910	06/12/1928	Saalburg			
	AH	1,990,230	02/05/1935	Gray			
	AI	2,024,020	12/10/1935	Aldeborgh			
	AJ	2,374,453	04/24/1945	Oliver et al.			
	AK	2,492,333	12/27/1949	Swindin			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
lf	AL	EP 0 351 772 A2	24 January 1990	EPO				
lf	AM	EP 0 505 606 B1	02 November 1995	EPO				
lf	AN	EP 0 769 574 B1	26 May 1999	EPO				
lf	AO	EP 0 582 121 B1	22 March 2000	EPO				
lf	AP	EP 1 050 605 A2	08 November 2000	EPO				
lf	AQ	EP 0 808 919 B1	08 August 2001	EPO				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

lf	AR	Pickling Tank Technology - Turbo Tunnel drawing, date unknown, 1 page.
lf	AS	Schutz et al., "Registry Handbooks Section 4", From CA to CAS Online Databases in Chemistry, date unknown, 4 pages.
lf	AT	Crown Technology pamphlet, "Metalworking Chemicals and Ferrous Sulfate", date unknown.

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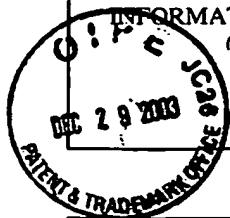
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<i>clb</i>	BA	2,662,812	12/15/1953	Shaw			
	BB	2,667,001	01/26/1954	Sheridan			
	BC	3,312,625	04/04/1967	Peterson			
	BD	3,349,037	10/24/1967	Peterson			
	BE	3,522,002	07/28/1970	Lefevre			
	BF	3,540,513	11/17/1970	Sumiya			
	BG	3,575,711	04/20/1971	Krofchak			
	BH	3,595,799	07/27/1971	Peterson			
	BI	3,607,781	09/21/1971	Kaneko et al.			
	BJ	3,676,354	07/11/1972	Kaneko et al.			
	BK	3,699,052	10/17/1972	Petrey et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BL	JP 002877	11 January 1985	Japan			X	
	BM	AU 133,645	25 July 1949	Australia				
	BN	DE 423155	23 December 1925	Germany				
	BO	FR 365,830	12 November 1923	France				X
	BP	FR 598,809	05 October 1925	France				X
<i>ly</i>	BQ	GB 177,444	30 March 1922	Great Britain				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>clb</i>	BR	Crown Technology, Inc. "Passivation of Nucor 409 Stainless Steel" booklet, 16 pages.
<i>clb</i>	BS	Acid Recovery Systems, Inc. and Crown Technology, Inc. advertisement, "Now #1 in the United States for Acid Recovery Systems", date unknown, 1 page.
<i>clb</i>	BT	"Crown Acid Recovery Systems", date unknown, 8 pages.

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<i>ms</i>	CA	3,900,955	08/26/1975	Peterson			
	CB	3,936,316	02/03/1976	Gulla			
	CC	3,973,998	08/10/1976	Datta et al.			
	CD	4,012,351	03/15/1977	Hall et al.			
	CE	4,124,516	11/07/1978	Shinozaki et al.			
	CF	4,222,997	09/16/1980	Beecher			
	CG	4,255,407	03/10/1981	Puurunen			
	CH	4,386,004	05/31/1983	Jenkins			
	CI	4,419,253	12/06/1983	Kennedy et al.			
	CJ	4,432,808	02/21/1984	Heubusch			
	CK	4,618,539	10/21/1986	Jahnke et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>ms</i>	CL	GB 251,495	06 May 1926	Great Britain				
	CM	GB 276,922	08 September 1927	Great Britain				
	CN							
	CO							
	CP							
	CQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ms</i>	CR	"Pickling of Iron and Steel". ASM Committee on Pickling of Iron and Steel, pp. 68-82, date unknown.
<i>ms</i>	CS	Crown Technology, Inc. brochure, 12 pages, date unknown.
<i>ms</i>	CT	Schulz et al., "From CA to CAS Online: Databases in Chemistry", 3 pages.

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leg	DA	4,623,399	11/18/1986	Frenier			
	DB	4,806,161	02/21/1989	Fabiny et al.			
	DC	4,806,259	02/21/1989	Amjad			
	DD	4,810,405	03/07/1989	Waller et al.			
	DE	4,898,687	02/06/1990	Parker et al.			
	DF	5,007,559	04/16/1991	Young			
	DG	5,013,482	05/07/1991	O'Neil			
	DH	5,039,441	08/13/1991	Thomas et al.			
	DI	5,052,421	10/01/1991	McMillen			
	DJ	5,057,290	10/15/1991	Peterson et al.			
	DK	5,109,620	05/05/1992	Torrence			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							
	DQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

leg	DR	"Scale Removal from Hot-Rolled Strip", pp. 191-193, date unknown.
ly	DS	"Regeneration of Hydrochloric Acid Pickle Liquors: RUTHNER - Spray Roasting Process", ARUS Andritz-Ruthner, Inc., 6 pages, date unknown.
ly	DT	1988 Crown Reporter, Toronto's 58 th Annual Wire Convention, date unknown, 1 page.

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<i>ly</i>	EA	5,124,078	06/23/1992	Baust			
	EB	5,186,857	02/16/1993	Ramirez et al.			
	EC	5,248,525	09/28/1993	Siebert			
	ED	5,294,371	03/15/1994	Chubley et al.			
	EE	5,296,042	03/22/1994	Curran et al.			
	EF	5,306,489	04/26/1994	Goldberg et al.			
	EG	5,338,367	08/16/1994	Henriet et al.			
	EH	5,384,064	01/24/1995	Peterson			
	EI	5,421,897	06/06/1995	Grawe			
	EJ	5,529,637	06/25/1996	Frenier			
	EK	5,578,134	11/26/1996	Lentsch et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	EL							
	EM							
	EN							
	EO							
	EP							
	EQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ly</i>	ER	Key, "Stay Alert to New Trends in Your Industry", February 2, 2002, 2 pages.
<i>ly</i>	ES	Princeton Applied Research, Electrochemical Instruments Division, "Electrochemistry and Corrosion Overview and Techniques", 13 pages, date unknown
<i>ly</i>	ET	Hacias, "The Technical and Economic Benefits of Pickling Inhibitors", <i>Wire Journal International</i> , January 1995, pp. 86-89.

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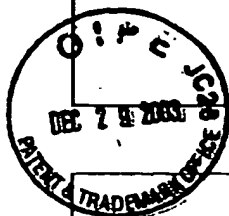
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df	FA	5,609,692	03/11/1997	Johnson et al.			
	FB	5,622,569	04/22/1997	Dennis et al.			
	FC	5,683,816	11/04/1997	Goodreau			
	FD	5,686,376	11/11/1997	Rusche et al.			
	FE	5,702,534	12/30/1997	Rodabaugh et al.			
	FF	5,725,678	03/10/1998	Cannon et al.			
	FG	5,578,134	11/26/1996	Lentsch et al.			
	FH	5,788,857	08/04/1998	Yang et al.			
	FI	5,821,212	10/13/1998	Peterson			
	FJ	5,853,890	12/29/1998	Odawa et al.			
	FK	5,858,118	01/12/1999	Shah et al.			

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							YES	NO
	FL							
	FM							
	FN							
	FO							
	FP							
	FQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

df	FR	"Basic Facts about Stainless Steel", found at www.worldsteel.org/issf/issf_about/index.html , 5 pages, July 2, 2001.
df	FS	ASSDA: Students and Specifiers Notes, "Stainless Steel", found at www.assda.asn.au/studnotes1.html , 15 pages, January 23, 2002.
df	FT	ASSDA: Health & Safety Precautions, "Lost Time Injury Alert", found at www.assda.asn.au/acids.html , 2 pages, January 23, 2002.

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ep	GA	5,916,379	06/29/1999	Vartey et al.			
	GB	6,053,422	04/25/2000	Polzin, Jr. et al.			
	GC	6,068,001	05/30/2000	Pedrazzini et al.			
	GD	6,090,882	07/18/2000	Trumbo et al.			
	GE	6,120,619	09/19/2000	Goudiakas et al.			
	GF	6,156,076	12/05/2000	Casperson et al.			
	GG	6,156,129	12/05/2000	Hlivka et al.			
	GH	6,174,383	01/16/2001	Angel et al.			
	GI	6,261,577	07/17/2001	Kessler			
	GJ	6,277,404	08/21/2001	Laversanne et al.			
	GK	6,310,024	10/30/2001	Gill et al.			

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							YES	NO
	GL							
	GM							
	GN							
	GO							
	GP							
	GQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

ep	GR	"ASSDA: Lifecycle Costing", found at www.assda.asn.au/lifecycle1.html , 5 pages, January 23, 2002.
ep	GS	"ASSDA: Pickling & Passivation", found at www.assda.asn.au/pickling2.html , 2 pages, January 23, 2002.
ep	GT	"ASSDA: Modern Alchemy - Stainless Hyrdometallurgy", found at www.assda.asn.au/hydro.html , 3 pages, January 23, 2002.

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LD	HA	6,383,505	05/07/2002	Kaiser et al.			
	HB	6,432,426	08/13/2002	Kessler			
d	HC	Des. 320,234	09/24/1991	Garrett			
	HD						
	HE						
	HF						
	HG						
	HH						
	HI						
	HJ						
	HK						

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	HL							
	HM							
	HN							
	HO							
	HP							
	HQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	HR	"ASSDA: Grade 304 - The Stainless Steel to Start With", found at www.assda.asn.au/304.html , 4 pages, January 23, 2002.
JS	HS	"ASSDA: 316 - The First Step Up", found at www.assda.asn.au/316.html , 5 pages, January 23, 2002.
JS	HT	"ASSDA: Stainless Steel Grade Selection - Don't Panic!", found at www.assda.asn.au/gradeselect1.html , 4 pages, January 23, 2002.

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	IL							
	IM							
	IN							
	IO							
	IP							
	IQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

145	IR	Englebert, "Passivation of Stainless Steel", Automotive Finishing Online, found at www.afonline.com/articles/00fall04.html , November 10, 2000, 4 pages.
98	IS	"An Innovative Product Range for Customized Solutions", Rhodia Home, Personal Care & Industrial Ingredients, date unknown, 3 pages.
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